

Heavy Rainfall and Severe Weather Possible Thursday into Friday Morning

Decision Support Briefing #3

As of: 6 PM Wednesday, September 22, 2021

What Has Changed?

-SLIGHT risk for excessive rainfall expanded to entire area



-Start time of the Flash Flood Watch adjusted slightly earlier; also, New Castle County Delaware added to Watch

-Minor adjustments to forecast rainfall: upward for parts of northeastern PA into northern NJ, downward for parts of southern NJ

-Coastal Flood Advisory issued for the eastern shore of Maryland through Thursday morning



Main Points

Hazard	Impacts	Location	Timing
Flash Flooding 	<p>Flooding of creeks, streams, urban areas, and poor drainage areas possible. At least localized flash flooding will be possible.</p>	<p>The entire area, but the greatest threat is across eastern PA and northern NJ, especially in the southern Poconos where flooding could be significant</p>	<p>Midday Thursday through Friday morning.</p>
Severe Threat 	<p>Strong to severe storms may develop. Storms will be capable of producing damaging wind gusts and isolated tornadoes, potentially bringing down trees and power lines.</p>	<p>The entire area.</p>	<p>Midday Thursday through Thursday night.</p>

Summary of Greatest Impacts



Flash Flooding: Near/NW of I-95 Corridor

None

Limited

Elevated

Significant

Extreme



Flash Flooding: SE of I-95 Corridor

None

Limited

Elevated

Significant

Extreme



Strong to Severe T-storms: Entire Region

None

Limited

Elevated

Significant

Extreme



Flash Flooding Outlook

MARGINAL (MRGL)

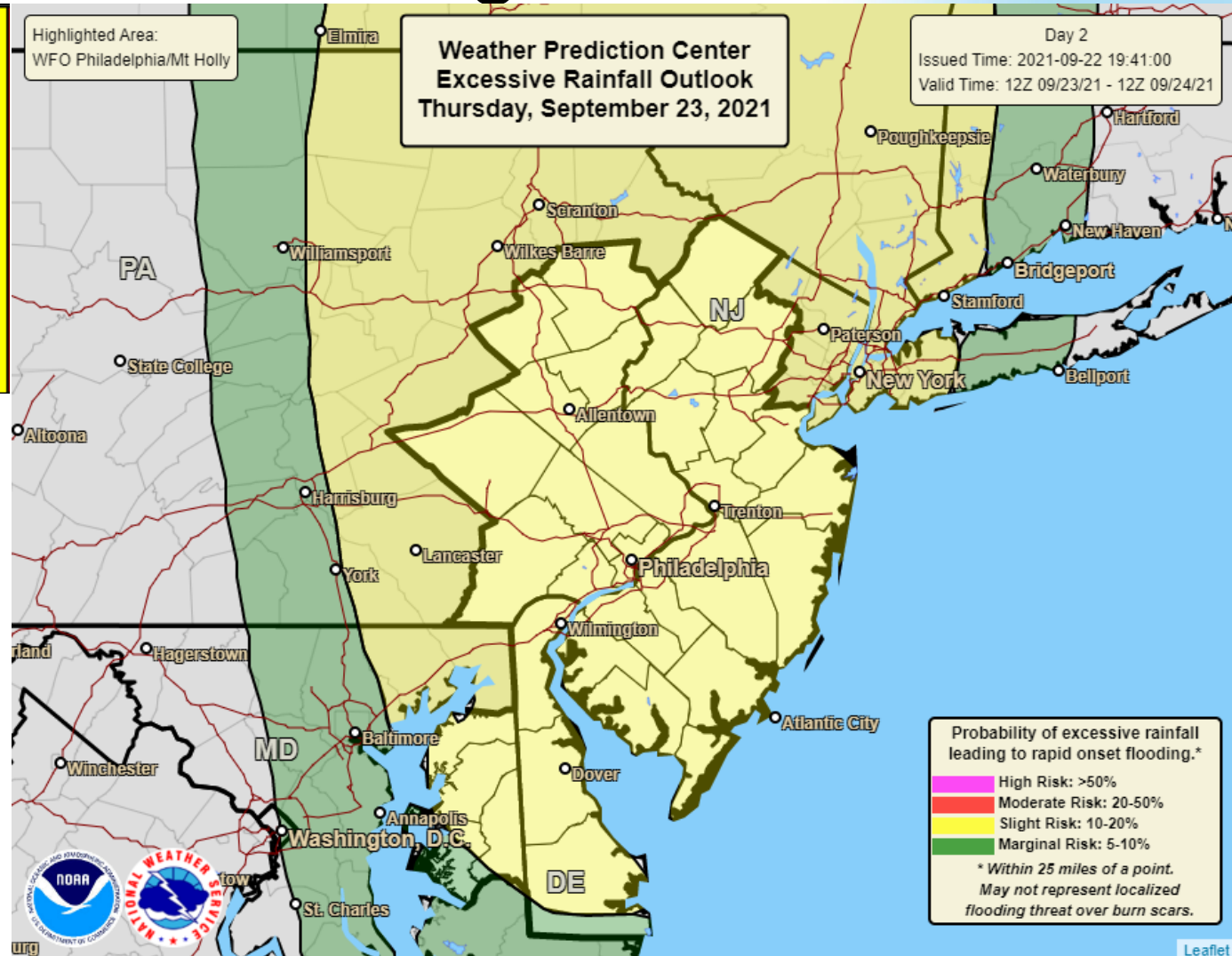
Isolated flash floods possible

Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.

SLIGHT (SLGT)

Scattered flash floods possible

Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.



Timing: Midday Thursday through Friday morning

Hazards: Flash flooding of urban and poor-drainage areas as well as small creeks and streams.

Convective Weather Outlook

1 - MARGINAL (MRGL)

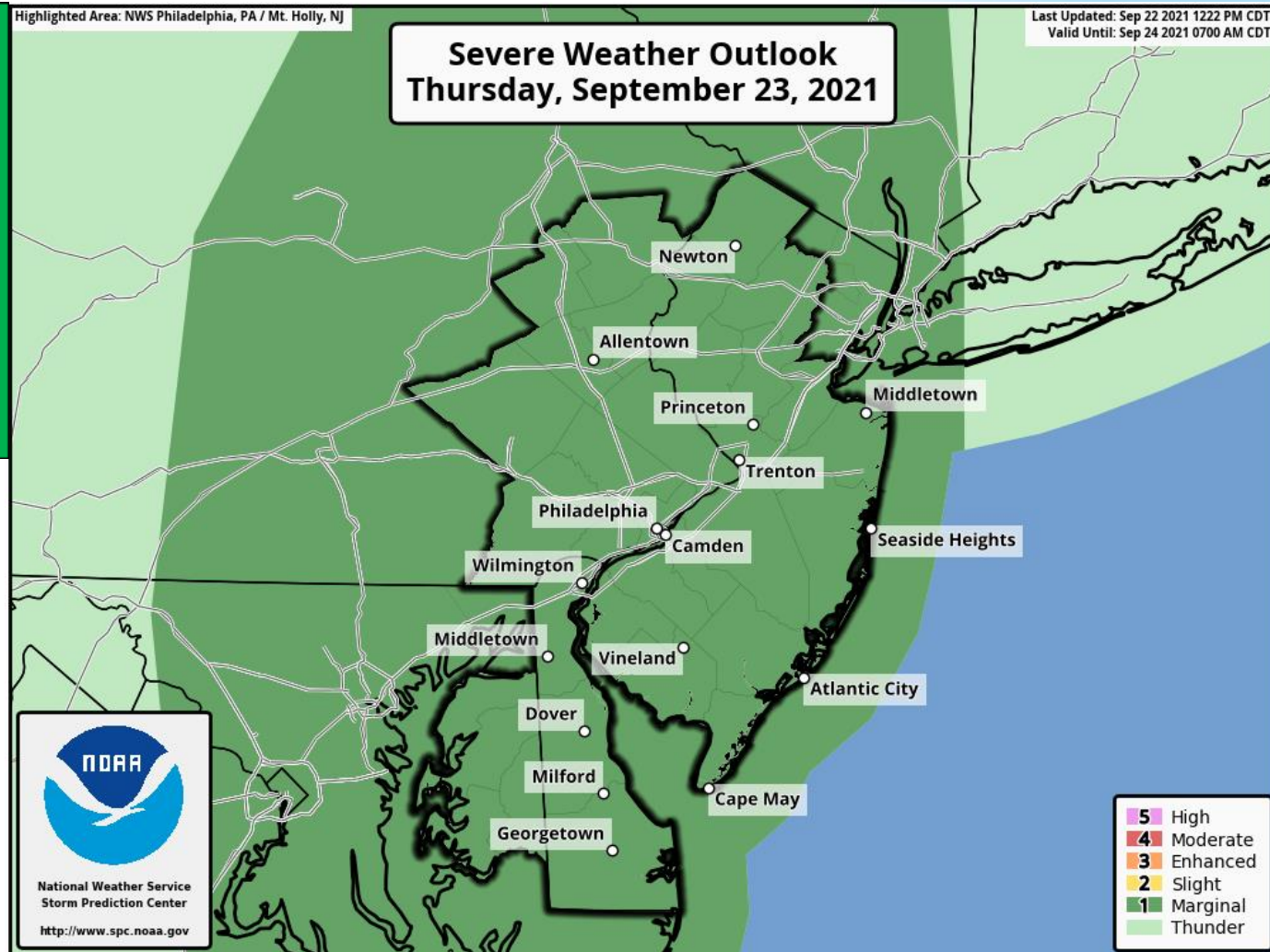
Isolated severe thunderstorms possible

Limited in duration and/or coverage and/or intensity

Highlighted Area: NWS Philadelphia, PA / Mt. Holly, NJ

**Severe Weather Outlook
Thursday, September 23, 2021**

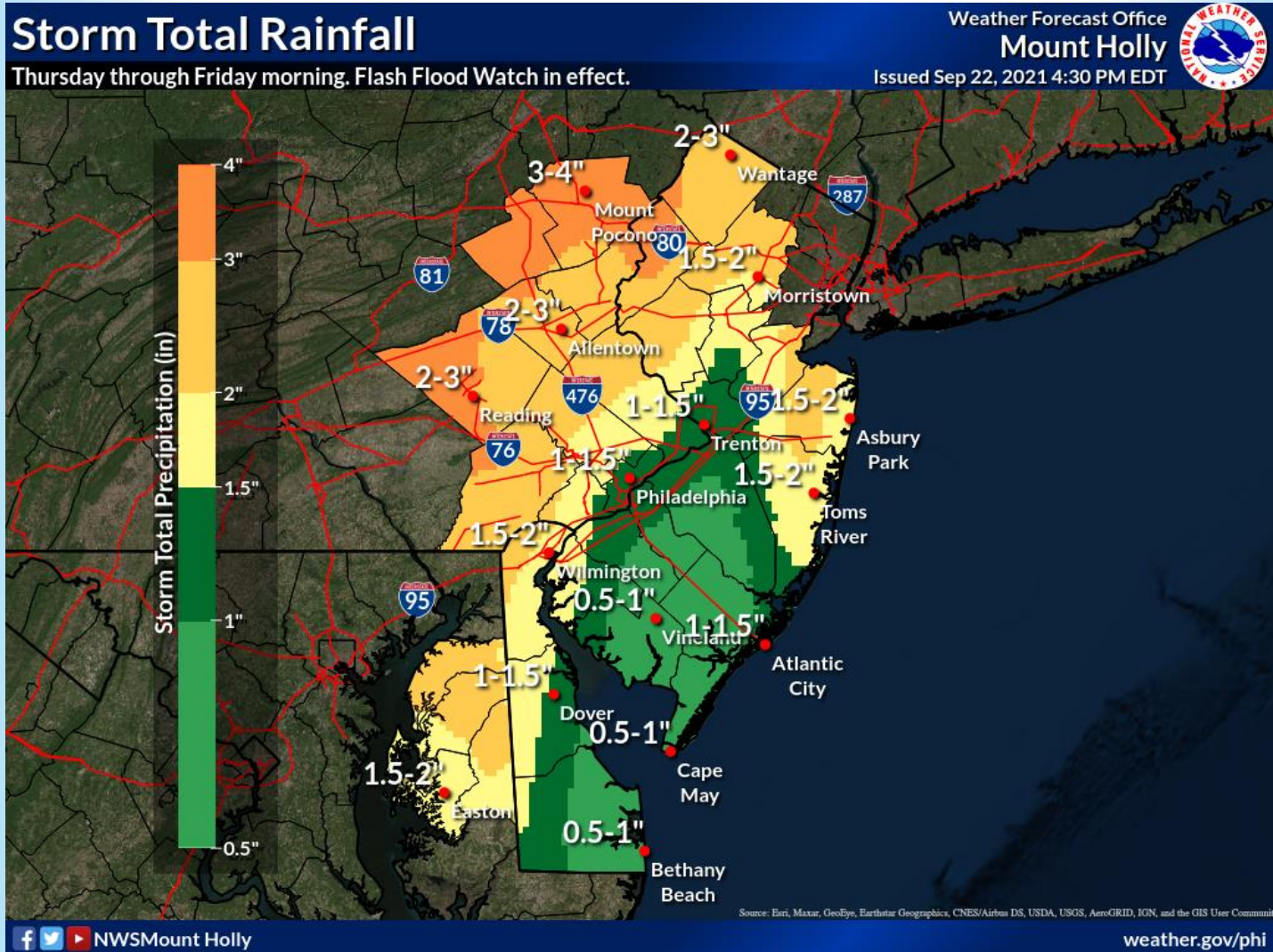
Last Updated: Sep 22 2021 1222 PM CDT
Valid Until: Sep 24 2021 0700 AM CDT



Timing: Midday through Thursday night

Hazards: Isolated damaging wind gusts and isolated tornadoes possible, with localized tree and power line damage.

Rainfall Amounts



Event Summary

- ✓ Showers and thunderstorms associated with a cold front will move through the region west to east beginning around midday Thursday continuing through Thursday night. Some of the storms could be strong to severe, with the following threats:
 - ✓ Flash flooding is possible, mainly along and north/west of the I-95 corridor. A widespread 1 to 3 inches of rain is expected, with locally higher amounts possible. Much of this rainfall may occur in a short period of time, leading to the threat of flash flooding. A Flash Flood Watch remains in effect for eastern PA and northern NJ, and is now also in effect for New Castle County in Delaware.
 - ✓ Damaging straight-line winds and isolated tornadoes are possible, with the main threat occurring from midday Thursday into the early overnight hours Thursday night.
- ✓ Strong southerly flow in advance of the system is expected to lead to minor tidal flooding for the high tides Wednesday evening and Thursday morning on the eastern shore of Chesapeake Bay and associated tidal tributaries. A coastal flood advisory has been issued for these areas.

Contact and Next Briefing Information



Next Briefing
When: 9 AM Thursday

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf



Web:
www.weather.gov/phi



Phone (public):
(609) 261-6600



Facebook:
NWSMountHolly



Twitter:
@NWS_MountHolly

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